PROPERTY PROPERTY

Application Number

P2001-083135

As a below named inventor, I hereby declare that: This declaration is of the following type:

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|--------|---------|-------|--|--|
|        |         |       |  |  |

## Combined Declaration and Power of Attorney

| [X] original [ ] supplemental  |
|--|
| [ ] national stage of PCT [ ] divisional   |
| My residence, post office address and citizenship are as stated next to my name,   |
| I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled Raman Amplification Optical Fiber, Optical Fiber Coil, Raman Amplifier, and Optical Communication System |
| the specification of which   |
| j∕∖j is attached hereto.   |
| as United States Application Serial Number and, was amended on (if applicable).  |
| [ ] was filed on as PCT International Application Number and,  |
| was amended under PCT Article 19 on (if applicable).   |
| I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.  |
| I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.   |
| I hereby claim foreign priority under Title 35, United States Code, Section 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 385(a) of any PCT International application which designated at least one country other than the United States listed below and have also identified below by  |

checking the box, any foreign application for patent or inventor's certificate, or PCT International application

PRIOR FOREIGN APPLICATIONS, BENEFIT CLAIMED UNDER 35 USC §119(a)

Date of Filing

22 / March / 2001

(Day/Month/Year)

Priority Claimed

Under 35 USC 119 X Yes

Пио

having a filing date before that of the application on which priority is claimed.

Country

Japan

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below.

## PRIOR U.S. PROVISIONAL APPLICATIONS, BENEFIT CLAIMED UNDER 35 USC §119(e)

| 65(c) of any PCT International application designating the United States, listed below and, insofar as the ubject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code Sec 12, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 tode of Federal Regulations, Section 1.56 which became available between the filing date of the prior pplication and the national or PCT International filing date of this application:  PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S., BENEFIT CLAIMED UNDER 35 USC §120  (Application No.) (Filing Date) (Status: Patented, Pending, Abandoned) | (Application No.)   | (Filing Date)  | (Application No.)   | (Filing Date)   |
|---|---|--|---|---|
| DESIGNATING THE U.S., BENEFIT CLAIMED UNDER 35 USC §120  (Application No.) (Filing Date) (Status: Patented, Pending, Abandoned)   | (Application No.)   | (Filing Date)  | (Application No.)   | (Filing Date)   |
| DESIGNATING THE U.S., BENEFIT CLAIMED UNDER 35 USC §120  (Application No.) (Filing Date) (Status: Patented, Pending, Abandoned)   | 365(c) of any PCT Intern<br>subject matter of each of<br>nternational application in<br>I12, I acknowledge the di<br>Code of Federal Regulati | ational application designat<br>the claims of this application<br>the manner provided by the<br>aty to disclose information vons, Section 1.56 which becomes | ing the United States, listed belo<br>n is not disclosed in the prior Uni<br>ne first paragraph of Title 35, Uni<br>which is material to patentability a<br>came available between the filing | w and, insofar as the<br>ted States or PCT<br>ted States Code Sectio<br>as defined in Title 37, |
| (Application No.) (Filing Date) (Status: Patented, Pending, Abandoned)  | PRIOR   | U.S. APPLICATIONS OR   | PCT INTERNATIONAL APPLICA   | TIONS   |
|   | DES   | IGNATING THE U.S., BEN   | EFIT CLAIMED UNDER 35 USC   | §120  |
|   |   |  |   |   |
| (Application No.) (Filing Data) (Status: Betanted Bonding Abandoned)  | (Application No.)   | (Filing Date)  | (Status: Patented, Pe   | nding, Abandoned)   |
| (Application No.) (Filing Date) (Status: Patented, Pending, Abandoned)  | (Application No.)   | (Filing Date)  | (Status: Patented, Pe   | nding, Abandoned)   |

Will & Emery included in the Customer Number provided below to business in the Patent and Trademark Office connected therewith.

Customer Number 20277

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McDermott, Will & Emery

600 13TH STREET, N.W. WASHINGTON, D.C., 20005-3096

Direct Telephone Calls to: 202-756-8000

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

|  | Full Name of sole or first inventor  Eisuke SASAOKA  |                     |
|--|--|---------------------|
|  | Inventor's signature   | Date                |
| ?  | Grake Basaska  | January, 25, 2002   |
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|  | Citizenship Japan  |                     |
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| jul,   | Full Name second joint inventor, if any  Motoki KAKUI  |                     |
| 4  | Second inventor's signature  | Date                |
| CU   | Moder Koken  | Jan. 29, 2002       |
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| UL   | Full Name third joint inventor, if any  Masashi ONISHI   |                     |
| IL.  |  |                     |
| Sec.   | Third inventor's signature Masali Omilis   | Date James 28, 2002 |
| Server Se | Third inventor's signature  Mas as h. Oursel:  Residence  Yokohama-shi, Kanagawa, Japan  | Jamiany, 28, 2002   |
| A  | Maghi Onli   |                     |
| See  | Masah Onili<br>Residence<br>Yokohama-shi, Kanagawa, Japan  |                     |
| number of the state of the stat | Residence Yokohama-shi, Kanagawa, Japan Citizenship Japan Post office address  |                     |
| and the state of t | Residence Yokohama-shi, Kanagawa, Japan  Citizenship Japan  Post office address cfo Yokohama Works of Sumitomo Electric Industries, Ltd., 1, Taya-cho, Sakae-ku,   |                     |
| name<br>Paris  | Residence Yokohama-shi, Kanagawa, Japan Cilizenship Japan Post office address cof Yokohama-Works of Sumitomo Electric Industries, Ltd., 1, Taya-cho, Sakae-ku, Yokohama-shi, Kanagawa 244-8588 Japan Full Name fourth joint inventor, if any   |                     |
| The state of the s | Residence Yokohama-shi, Kanagawa, Japan  Citizenship Japan  Post office address clo Yokohama-Works of Sumilomo Electric Industries, Ltd., 1, Taya-cho, Sakae-ku, Yokohama-shi, Kanagawa 244-8588 Japan  Full Name fourth joint inventor, if any Toshiki TANAKA  Fourth inventor's signature  | Jamay, 28, 2002     |
| - Anna Anna Anna Anna Anna Anna Anna Ann   | Residence Yokohama-shi, Kanagawa, Japan  Citizenship Japan  Post office address ole Yokohama-Works of Sumitomo Electric Industries, Ltd., 1, Taya-sho, Sakae-ku, Yokohama-shi, Kanagawa 244-8588 Japan  Full Name fourth joint inventor, If any  Toshiki TANAKA  Fourth inventor's signature  Residence  Kawasaki-shi, Kanagawa, Japan                 | Jamay, 28, 2002     |
| Total Control  | Residence Yokohama-shi, Kanagawa, Japan  Citizenship Japan Post office address c/o Yokohama-Works of Sumitomo Electric Industries, Ltd., 1, Taya-cho, Sakae-ku, Yokohama-shi, Kanagawa 244-8588 Japan  Full Name fourth joint inventor; if any Toshiki TANAKA  Fourth inventor's signature  Residence Kawasaki-shi, Kanagawa, Japan  Citizenship Japan | Jamay, 28, 2002     |
| The state of the s | Residence Yokohama-shi, Kanagawa, Japan Cilizenship Japan Post office address cdrosokohama-Works of Sumitomo Electric Industries, Ltd., 1, Taya-cho, Sakae-ku, Yokohama-shi, Kanagawa 244-8588 Japan Full Name fourth joint inventor, if any Toshiki TANAKA Fourth inventor's signature  Residence Kawasaki-shi, Kanagawa, Japan                       | Jamay, 28, 2002     |

| Full Name fifth joint inventor, if any Takao NAITO |   |      |  |  |
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As a below named inventor, I hereby declare that: This declaration is of the following type:

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| ttorne | /s | Docket No. |  |
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|        |    |            |  |

## Combined Declaration and Power of Attorney

| [X] original [ ] supplemental  |
|--|
| [ ] national stage of PCT [ ] divisional [ ] continuation [ ] continuation-in-part   |
| My residence, post office address and citizenship are as stated next to my name,   |
| I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled Raman Amplification Optical Fiber, Optical Fiber Coil, Raman Amplifier, and Optical Communication System |
| the specification of which   |
| [X] is attached hereto.  |
| [ ] was filed on and, as United States Application Serial Number and, was amended on (if applicable).  |
| [ ] was filed on and, as PCT International Application Number and, was amended under PCT Article 19 on (if applicable).  |
| I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.  |
| I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.   |
| I hereby claim foreign priority under Title 35. United States Code, Section 119(a)-(d) or 365(b) of any foreign  |

PRIOR FOREIGN APPLICATIONS, BENEFIT CLAIMED UNDER 35 USC §119(a)

application(s) for patent or inventor's certificate, or 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application

having a filing date before that of the application on which priority is claimed.

| Application Number | Country | Date of Filing (Day/Month/Year) | Priority Claimed<br>Under 35 USC 119 |
|--------------------|---------|---------------------------------|--------------------------------------|
| P2001-083135       | Japan   | 22 / March / 2001               | XYes No                              |
|                    |         |                                 | Yes No                               |

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below.

## PRIOR U.S. PROVISIONAL APPLICATIONS, BENEFIT CLAIMED UNDER 35 USC §119(e)

| (Application No.)  | (Filing Date)   | (Application No.)   | (Filing Date)   |
|--|---|---|---|
| (Application No.)  | (Filing Date)   | (Application No.)   | (Filing Date)   |
| 365(c) of any PCT Intem<br>subject matter of each of<br>International application in<br>112, I acknowledge the du<br>Code of Federal Regulation<br>application and the nation<br>PRIOR | ational application designat<br>the claims of this application<br>in the manner provided by it<br>uty to disclose information vons, Section 1.56 which be<br>all or PCT International filin<br>U.S. APPLICATIONS OR | Code Section 120 of any United 3<br>ining the United States, listed belo<br>in is not disclosed in the prior Uni<br>he first paragraph of Title 35, Uni<br>which is material to patentability<br>came available between the filing<br>g date of this application:<br>PCT INTERNATIONAL APPLICA<br>EFIT CLAIMED UNDER 35 USC | w and, insofar as the<br>ted States or PCT<br>ted States Code Section<br>is defined in Title 37,<br>date of the prior |
| (Application No.)  | (Filing Date)   | (Status: Patented, Pe   | nding, Abandoned)   |
| (Application No.)  | (Filing Date)   | (Status: Patented, Pe   | nding, Abandoned)   |
| Will & Emery included in   |   | ereby appoint the registered practivided below to prosecute this apposed therewith.   |   |

Customer Number 20277

Send Correspondence to: Customer Number 20277

McDermott, Will & Emery

600 13TH STREET, N.W. WASHINGTON, D.C., 20005-3096 Direct Telephone Calls to: 202-756-8000 I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

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| Full Name fourth joint inventor, if any Toshiki TANAKA                           | -  |
| ourth inventor's signature   | Date   |
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|  |  |

| Full Name fifth joint inventor, if any   |                  |
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| Takao NAITO  | January 28, 2002 |
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